

USPS Pricing Engine SDK

February 8, 2017.

Summary

This is the Domestic and International Pricing Engine SDK (version 11.5.1.0) for the February 24, 2017 Release. The following is a list of enhancements included in this release.

BNS 595.5 - EDDMR_RCALC_CR v1 - Advance Pricing

The Domestic and International Pricing Engines have been updated to allow access to pricing across price changes. This change enables the Pricing Engines to apply rates, structure changes and changes to business rule for request with shipping dates beyond a pricing change deployment date. This change also allows the Pricing Engines to use rates, structure changes and business rules for shipping date prior to a price change. See scenarios below.

In previous versions of the Pricing Engine setting the Shipping Date/Time to DateTime.MinValue would result in SDC not being called. Since the Shipping Date/Time is now used to determine the correct rates "ServiceCommitmentCall" has been added to the SectionType enumerator. Including "ServiceCommitmentCall" in the ExcludeSection member of the request will result in SDC not being called.

SCENARIO 1:

Today's date is Jan 10, 2018 and a price changes is schedule for Jan 22, 2018.

Request: A request is made with the shipping date of Jan 12, 2018.

Result: The current rates, structure and business rules are used.

Request: A request is made with the shipping date of Feb 12, 2018.

Result: The Jan 22, 2018 rates, structure and business rules are used.

SCENARIO 2:

Today's date is Feb 2, 2018 and a price changes was deployed for Jan 22, 2018.

Request: A request is made with the shipping date of Jan 12, 2018.

Result: The previous rates, structure and business rules are used.

Request: A request is made with the shipping date of Feb 12, 2018.

Result: The current rates, structure and business rules are used.

Domestic Pricing Engine Interface Changes

PostOfficeService

GetZoneForDate (new)

Syntax

GetZoneForDate(in originZIPCode : ZipCode, in destinationZIPCode : ZipCode, in forDate : DateTime) :
Zone

GetZonesForDate (new)

Syntax

GetZonesForDate(in zipCodes : ZipCodeCollection, in forDate : DateTime) : ZoneCollection

GetLocationsForDate (new)

Syntax

GetLocationsForDate(in zipCodes : ZipCodeCollection, in forDate : DateTime) : LocationCollection

GetMailingRestrictionsForDate (new)

Syntax

GetMailingRestrictionsForDate(in zipCodes : ZipCodeCollection, in forDate : DateTime) :
MailingRestrictionCollection

International Pricing Engine Interface Changes

PostOfficeService

GetCountriesForDate (new)

Syntax

GetCountriesForDate(in forDate : DateTime) : CountryCollection

GetCountryInformationForDate (new)

Syntax

GetCountryInformationForDate(in countryID : CountryID, in shippingDate : DateTime) :
CountryInformation

GetCountryRegulationsForDate (new)

Syntax

GetCountryRegulationsForDate(in country : Country, in forDate : DateTime) :
CountryRegulationCollection

ValidateCountryForDate (new)

Syntax

ValidateCountryForDate(in countryID : CountryID, in forDate : DateTime) : void

BNS 595.8 - PMEI and APO/FPO/DPO PME requires a 2976-B customs form

The Customs Forms Engine has been updated to implement the following changes:

1. Priority Mail Express International mailpieces, regardless of weight and regardless of content, require a PS Form 2976-B, Priority Mail Express International Shipping Label and Customs Form. This includes mailpieces containing only documents, even if the country does not require it.
2. Priority Mail Express mailpieces sent to APO/FPO/DPO destinations, regardless of weight and regardless of content, require a PS Form 2976-B, Priority Mail Express International Shipping Label and Customs Form. This includes mailpieces containing only documents.

Impact on Existing Applications

WSDLs have been update; you may have to rebuild your applications.

Reported Defects and Change Request

ID	Title	Status